

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	"20020085057" or "20020060709"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 09:58
L2	500	347/19 and (test near pattern)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 09:59
L3	220	347/19 and (test near pattern) same (nozzle\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 10:02
L4	76	347/19 and (test near pattern) same (nozzle\$1) and (test near pattern) with (align\$4 or skew or mis\$1align\$4 or offset\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 10:27
L5	2	"6076915".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 10:28
S5	3016	347/19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/08/25 07:39
S6	887306	(position or mis\$align\$4 or un\$align\$2 or adjust\$4 or correct\$3) with (print\$head or sub\$scan\$3 or head or cartridge or array or nozzle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 09:21
S7	121453	(position or mis\$align\$4 or un\$align\$2) with (chang\$3 or adjust\$4 or correct\$3) with (print\$head or sub\$scan\$3 or head or cartridge or array or nozzle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 09:52

## EAST Search History

S8	2275117	(eject\$3 or print\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 09:22
S9	5840195	measuring or measurement or measur\$3 or detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 09:23
S10	187	S5 and S7 same S8 same S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 09:34
S12	18	("2000190482" "01238943" "11254659" "2002178505" "05330088" "11170501" "2001033641" "09076538" "0974463").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 09:35
S13	1	2000-502098.NRAN.	DERWENT	AND	OFF	2006/04/06 09:37
S14	1	1997-240595.NRAN.	DERWENT	AND	OFF	2006/04/06 09:40
S15	0	347/19 and ((position or mis\$align\$4 or un\$align\$2) with (chang\$3 or adjust\$4 or correct\$3) with (print\$head or head or cartridge) with (sub\$scan\$3 or Y\$axis or (feed\$3 near direction))) same (eject\$3 or print\$3) same (measur\$3 or measurement) same (correct\$3 or fix\$3 or alter\$3 or alteration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 09:59
S16	0	347/19 and ((position or mis\$align\$4 or un\$align\$2) with (chang\$3 or adjust\$4 or correct\$3) with (print\$head or head or cartridge) with (sub\$scan\$3 or Y\$axis or (feed\$3 near direction))) same (measur\$3 or measurement) same (correct\$3 or fix\$3 or alter\$3 or alteration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 09:59

## EAST Search History

S17	2	347/19 and ((position or mis\$align\$4 or un\$align\$2) with (chang\$3 or adjust\$4 or correct\$3) with (print\$head or head or cartridge) with (sub\$scan\$3 or Y\$axis or (feed\$3 near direction))), same (eject\$3 or print\$3) same (detect\$3 or sens\$3 or measur\$3 or measurement) same (correct\$3 or fix\$3 or alter\$3 or alteration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 10:25
S18	7	347/19 and ((position\$3 or mis\$align\$4 or un\$align\$2 or align\$4) with (chang\$3 or adjust\$4 or correct\$3) with (print\$head or head or cartridge) with (sub\$scan\$3 or Y\$axis or (feed\$3 near direction))) same (eject\$3 or print\$3) same (detect\$3 or sens\$3 or measur\$3 or measurement) same (correct\$3 or fix\$3 or alter\$3 or alteration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 12:23
S19	56	((nozzle or ejector or orifice) with (array\$1 or column)) with (eject\$3 or print\$3) with except	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 12:27
S20	9	((nozzle or ejector or orifice) with (array\$1 or column)) with (eject\$3 or print\$3) with except with (test\$3 or ejection or step)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/02 10:03
S21	9340	((nozzle or ejector or orifice) with (array\$1 or column)) with (eject\$3 or print\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 12:32
S22	4487	((nozzle or ejector or orifice) with (array\$1 or column)) with (eject\$3 or print\$3) "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 12:36
S23	0	((nozzle or ejector or orifice) with (array\$1 or column)) with (eject\$3 or print\$3) same except with test with (nozzle or orifice or ejector) "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 12:37

## EAST Search History

S24	0	((nozzle or ejector or orifice) with (array\$1 or column)) with (eject\$3 or print\$3) same (except with test with (nozzle or orifice or ejector)) "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 12:37
S25	0	((nozzle or ejector or orifice) with (array\$1 or column)) with (eject\$3 or print\$3) same (except with test\$3 with (nozzle or orifice or ejector)) "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 12:37
S26	0	((nozzle or ejector or orifice) with (array\$1 or column)) with (eject\$3 or print\$3) same (except with test\$3 with (nozzle or orifice or ejector or array)) "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 12:37
S27	92	((nozzle or ejector or orifice) with (array\$1 or column)) with (eject\$3 or print\$3) same (test\$3 with (nozzle or orifice or ejector or array)) "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 12:42
S28	52	"347"/\$3 and (test\$3 with (nozzle or ejector or orifice or array)) with print\$3 with before	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 12:44
S29	338	"347"/\$3 and (test\$3 with (nozzle or ejector or orifice or array)) with (pattern or swath) same (print\$3 or eject\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 12:55
S30	2	"20020060709"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 13:52
S31	1	"20020060709" and (print\$3 or eject\$3) same (scan\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 12:57

## EAST Search History

S32	1	"20020060709" and (print\$3 or eject\$3) same (scan\$4) same (bi\$directional)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 13:00
S33	1	"20020060709" and (print\$3 or eject\$3) same (bi\$directional)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 13:30
S34	12	("5250956" "5262797" "5289208" "5448269" "5451990" "5600350"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 13:32
S35	7	("5250956" "5262797" "5289208" "5448269" "5451990" "5600350"). pn. and (nozzle or ejector or orifice) with (test or pattern or swath or reference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 13:33
S36	7	("5250956" "5262797" "5289208" "5448269" "5451990" "5600350"). pn. and (nozzle or ejector or orifice) with (test\$3 or pattern or swath or reference)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 13:45
S37	121	test with nozzle same ejection with nozzle and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 13:50
S38	8	test\$3 with nozzle same (regular) with nozzle and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/06 13:50
S39	1	2000-595467.NRAN.	DERWENT	AND	OFF	2006/04/06 13:51
S40	2	"6554390".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 13:52
S41	2	("6554390").URPN.	USPAT	AND	OFF	2006/04/06 13:52

## EAST Search History

S42	13	("5250956"   "5262797"   "5289208"   "5297017"   "5448269"   "5451990"   "5600350"   "5644344"   "5796414"   "6076915"   "6347856").PN. OR ("6554390").URPN.	US-PGPUB; USPAT; USOCR	AND	OFF	2006/04/06 13:53
S43	11	("5250956"   "5262797"   "5289208"   "5297017"   "5448269"   "5451990"   "5600350"   "5644344"   "5796414"   "6076915"   "6347856").PN. OR ("6554390").URPN. and (nozzle or ejector or orifice) with (test\$3 or reference or swath or pattern)	US-PGPUB; USPAT; USOCR	AND	OFF	2006/04/06 13:53
S44	6	((("5250956"   "5262797"   "5289208"   "5297017"   "5448269"   "5451990"   "5600350"   "5644344"   "5796414"   "6076915"   "6347856").PN. OR ("6554390").URPN.) and (nozzle or ejector or orifice) with (test\$3 or reference or swath or pattern)	US-PGPUB; USPAT; USOCR	AND	OFF	2006/04/06 13:54
S45	1	"347"/\$3 and (test near array near nozzle)	US-PGPUB; USPAT; USOCR	AND	ON	2006/04/06 13:55
S46	20	"347"/\$3 and (test near array)	US-PGPUB; USPAT; USOCR	AND	ON	2006/04/06 13:55
S47	120	"347"/\$3 and (test near nozzles)	US-PGPUB; USPAT; USOCR	AND	ON	2006/04/06 14:21
S48	1	10/796167	US-PGPUB; USPAT; USOCR	AND	ON	2006/04/06 14:23
S49	77	nozzle with array with test\$3 and "347"/\$3	US-PGPUB; USPAT; USOCR	AND	ON	2006/04/06 14:29
S50	0	takehuchi.in. near atsuhiro	US-PGPUB; USPAT; USOCR	AND	ON	2006/04/06 14:29
S51	6	takeuchi.in. near atsuhiro	US-PGPUB; USPAT; USOCR	AND	ON	2006/04/06 14:29
S52	0	takeuchi.in. near atsuhiro and (nozzle)	US-PGPUB; USPAT; USOCR	AND	ON	2006/04/06 14:30
S53	666	takeuchi.in. and (nozzle)	US-PGPUB; USPAT; USOCR	AND	ON	2006/04/06 14:30

## EAST Search History

S54	12	takeuchi.in. and (nozzle) and epson.as.	US-PGPUB; USPAT; USOCR	AND	ON	2006/04/06 14:30
S55	7	takeuchi.in. and (nozzle).clm. and epson.as.	US-PGPUB; USPAT; USOCR	AND	ON	2006/04/06 14:31
S56	7	takeuchi.in. and (nozzle).clm. and epson.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 14:31
S57	208	"347"/\$3 and (nozzle with array with (distanced or opposite))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 15:33
S58	2	"200190482"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 15:28
S59	2	"2000190482"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 15:29
S60	1	2000-502098.NRAN.	DERWENT	AND	OFF	2006/04/06 15:28
S61	71	TAKIZAWA.in. near mitsuharu	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 15:30
S62	3	"347"/\$3 and (nozzle with array with (distanced or opposite) with (swath or test\$3 or pre\$fir\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 15:35
S63	196	"347"/\$3 and (test\$3 near nozzle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 16:06

## EAST Search History

S64	8	"347"/\$3 and (print\$3 with except with test\$3 with nozzle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/04/06 16:06
S65	1	10/796167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/04/10 11:46
S66	2	"20020060709"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/04/10 11:27
S67	2	"20020085057"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/04/10 14:51
S68	3016	347/19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/04/10 14:00
S70	2	"2000186243"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/04/10 14:51
S71	0	("20020060709" "20020085057"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/08/22 09:34
S72	4	("20020060709" "20020085057"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/22 13:01



## EAST Search History

S73	167	nozzle near map\$4 and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/08/22 13:06
S74	1	10/796167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/30 15:08
S75	812	(ink with (print\$3 or eject\$3) with (furthest or distanced or spaced or farthest) with (nozzle or array))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/08/25 07:42
S76	617	(ink with (print\$3 or eject\$3) with (furthest or distanced or spaced or farthest) with (nozzle or array)) and ((shift\$3 or alter\$5 or chang\$3) with (position or location or printhead or head or array))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/25 07:55
S77	491	(ink with (print\$3 or eject\$3) with (furthest or distanced or spaced or farthest) with (nozzle or array)) and ((shift\$3 or alter\$5 or chang\$3) with (position or location or printhead or head or array)) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/25 09:42
S78	287	(ink with (print\$3 or eject\$3) with (all or every) with (nozzle or array)) and ((shift\$3 or alter\$5 or chang\$3) with (position or location or printhead or head or array)) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/25 09:47
S79	140	(ink with (print\$3 or eject\$3) with (all or every or each) near2 (nozzle or array)) and ((shift\$3 or alter\$5 or chang\$3) with (position or location or printhead or head or array)) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/25 09:47
S80	158	(ink with (print\$3 or eject\$3) with (all or every or each) near3 (nozzle or array)) and ((shift\$3 or alter\$5 or chang\$3) with (position or location or printhead or head or array)) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/25 09:47

## EAST Search History

S81	121	((array or nozzle or ejector or orifice or row) near3 (furthest or farthest or (most near distanced)) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/29 12:14
S82	41	((array or nozzle or ejector or orifice or row) near3 (furthest or farthest or (most near distanced))) and ((position\$3 or location or offset or error or shift\$3 or mis\$align\$4) with (correct\$4 or alter\$3 or alteration or re\$align\$4)) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/29 12:50
S83	452	((array or nozzle or ejector or orifice or row) near3 (all or every or each)) and ((position\$3 or location or offset or error or shift\$3 or mis\$align\$4) with (correct\$4 or alter\$3 or alteration or re\$align\$4)) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/29 12:53
S84	2	((array or nozzle or ejector or orifice or row) near (all or every or each) with (test\$3 or print\$3)) same((position\$3 or location or offset or error or shift\$3 or mis\$align\$4) with (correct\$4 or alter\$3 or alteration or re\$align\$4)) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/29 12:53
S85	2	((array or nozzle or ejector or orifice or row) near (all or every or each) with (test\$3 or print\$3)) same ((position\$3 or location or offset or error or shift\$3 or mis\$align\$4) with (correct\$4 or alter\$3 or alteration or re\$align\$4)) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/29 12:57
S86	43	((array or nozzle or ejector or orifice or row) near2 (all or every or each))same ((position\$3 or location or offset or error or shift\$3 or mis\$align\$4) with (correct\$4 or alter\$3 or alteration or re\$align\$4)) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/29 13:01
S87	0	"347"/\$3 and (test\$3 with every wtih array) same correct\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/29 13:02

## EAST Search History

S88	0	"347"/\$3 and (test\$3 with every with array) same correct\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/29 13:04
S89	0	"347"/\$3 and (test\$3 with each with array) same correct\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/29 13:04
S90	0	"347"/\$3 and (test\$3 with each with row) same correct\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/29 13:04
S91	0	"347"/\$3 and (test\$3 with each with row) same compensat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/29 13:04
S92	0	"347"/\$3 and (test\$3 with each with row) same align\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/08/29 13:05
S93	3556	"347"/\$3 and (tilt\$3 or offset\$4 or mis\$align\$4 or un\$1align\$4 or (off adj position)) with (correct\$3 or compensat\$3 or alter\$5 or chang\$3 or align\$4 or fix\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/02 10:34
S94	118	"347"/\$3 and (tilt\$3 or offset\$4 or mis\$align\$4 or un\$1align\$4 or (off adj position)) near (head or print\$1head or cartridge) near3 (correct\$3 or compensat\$3 or alter\$5 or chang\$3 or align\$4 or fix\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/02 10:35
S95	54	"347"/\$3 and (correct\$3 or compensat\$3 or alter\$5 or chang\$3 or align\$4 or fix\$3) near (tilt\$3 or offset\$4 or mis\$align\$4 or un\$1align\$4 or (off adj position)) near (head or print\$1head or cartridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/02 10:36

## EAST Search History

S96	52	"347"/\$3 and (correct\$3 or compensat\$3 or alter\$5 or chang\$3 or align\$4 or fix\$3) near3 (tilt\$3) near3 (head or print\$1head or cartridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/02 13:52
S97	3	"20050151767" and tilt and array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/02 14:00
S98	1	2005-520916.NRAN.	DERWENT	AND	OFF	2007/02/02 13:54
S99	4	("20020060709" "20020085057"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 14:05
S10 0	0	("20020060709" "20020085057"). pn. and tilt\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 14:23
S10 1	9	"347"/\$3 and ((alignment with tilt\$3 with (fix\$3 or compensat\$3 or correct\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 14:17
S10 2	34	"347"/\$3 and ((align\$4 or offset\$4) with tilt\$3 with (fix\$3 or compensat\$3 or correct\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 14:34
S10 3	1	("20020060709" "20020085057"). pn. and rotat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 14:36
S10 4	11	"347"/\$3 and ((align\$4 or offset\$4) with tilt\$3 with (fix\$3 or compensat\$3 or correct\$3)) and ink\$1jet\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 14:35

## EAST Search History

S10 5	3	("20020060709" "20020085057"). pn. and (time or timings or timed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/03 11:18
S10 6	1	("20020060709" "20020085057"). pn. and (time or timings or timed) with (length or distance) with (nozzle or ejector or ejecting or orifice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 11:58
S10 7	41	"347"/\$3 and measur\$4 with (time or timings or timed) with (length or distance) with (nozzle or ejector or ejecting or orifice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 12:09
S10 8	3	"347"/\$3 and measur\$4 with (time or timings or timed) with (position\$3) with (nozzle or ejector or ejecting or orifice) with (correct\$3 or align\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 12:11
S10 9	43	"347"/\$3 and measur\$4 with (time or timings or timed) with (position\$3) with (nozzle or ejector or ejecting or orifice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 12:15
S11 0	65	"347"/\$3 and measur\$4 with (time or timings or timed) with (position\$3) with (nozzle or ejector or ejecting or orifice or drop\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 12:16
S11 1	10	"347"/\$3 and measur\$4 with (time or timings or timed) with (position\$3) with (nozzle or ejector or ejecting or orifice or drop\$4) with (align\$4 or fix\$3 or correct\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 12:19
S11 2	8	"347"/19 and (measur\$4 or detect\$3) with (time or timings or timed) with (position\$3 or mis\$1align\$4) with (nozzle or ejector or ejecting or orifice or drop\$4) with (align\$4 or fix\$3 or correct\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 12:23

## EAST Search History

S11 3	1284	"347"/19 and (measur\$4 or detect\$3) with (time or timings or timed)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 12:24
S11 4	295	"347"/19 and (measur\$4 or detect\$3) with (time or timings or timed) with (position or deviation or align\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 12:24
S11 5	135	"347"/19 and (measur\$4 or detect\$3) near3 (time or timings or timed) with (position or deviation or align\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/03 12:24
S11 6	16	"347"/19 and (measur\$4 or detect\$3) near3 (time or timings or timed) with (position or deviation or align\$4) with (nozzle or ejector or orifice)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/03 12:32
S11 7	2656	"347"/19 and (time\$1 or timing or timing) with (eject\$3 or nozzle or orifice or print\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/03 12:38
S11 8	415	"347"/19 and ((time\$1 or timing or timing) with (eject\$3 or nozzle or orifice or print\$3) with correct\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/03 12:40
S11 9	112	"347"/19 and ((measur\$3 or detect\$3) with (time\$1 or timing or timing) with (eject\$3 or nozzle or orifice or print\$3) with correct\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/03 12:42
S12 0	37	"347"/19 and ((measur\$3 or detect\$3) near3 (time\$1 or timing or timing) with (eject\$3 or nozzle or orifice or print\$3) with correct\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/03 12:52

## EAST Search History

S12 1	1	"20020163551" and (position\$3 with correct\$3 and tim\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/03 12:58
S12 2	83	347/19 and (measur\$4 with (distance or length) with (nozzle or eject\$3 or orifice or drop\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/03 13:07
S12 3	9	347/19 and (measur\$4 with (distance or length) with (nozzle or eject\$3 or orifice or drop\$4) with (array or row))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/05 09:05
S12 4	80	"347"/\$3 and (measur\$3 with (distance or length) with (nozzle or ejector or ejecting or orifice) with (drop or droplet or spot or pixel or pixelation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/08 08:59
S12 5	6	"347"/\$3 and (measur\$3 with (distance or length) with (nozzle or ejector or ejecting or orifice) with (row or column or array) with (drop or droplet or spot or pixel or pixelation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/02/08 09:10
S12 7	2	"20020060709".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/07/03 09:19
S12 8	2	10/796167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/07/03 09:16
S12 9	1	"20020060709".pn. and (perpendicular) and (pattern same (adjust\$4 or correct\$4 or align\$4 or rotat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/07/03 09:30

## EAST Search History

S13 0	1	"20020060709".pn. and (perpendicular) and (pattern same (adjust\$4 or correct\$4 or align\$4 or rotat\$4) same z\$1axis)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/07/03 09:34
S13 1	1	"20020060709".pn. and (perpendicular) and (pattern same (adjust\$4 or correct\$4 or align\$4 or rotat\$4) same z\$1axis) and z\$1axis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/07/03 09:35
S13 2	2	"20020085057"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/31 08:55